

FIG. 6

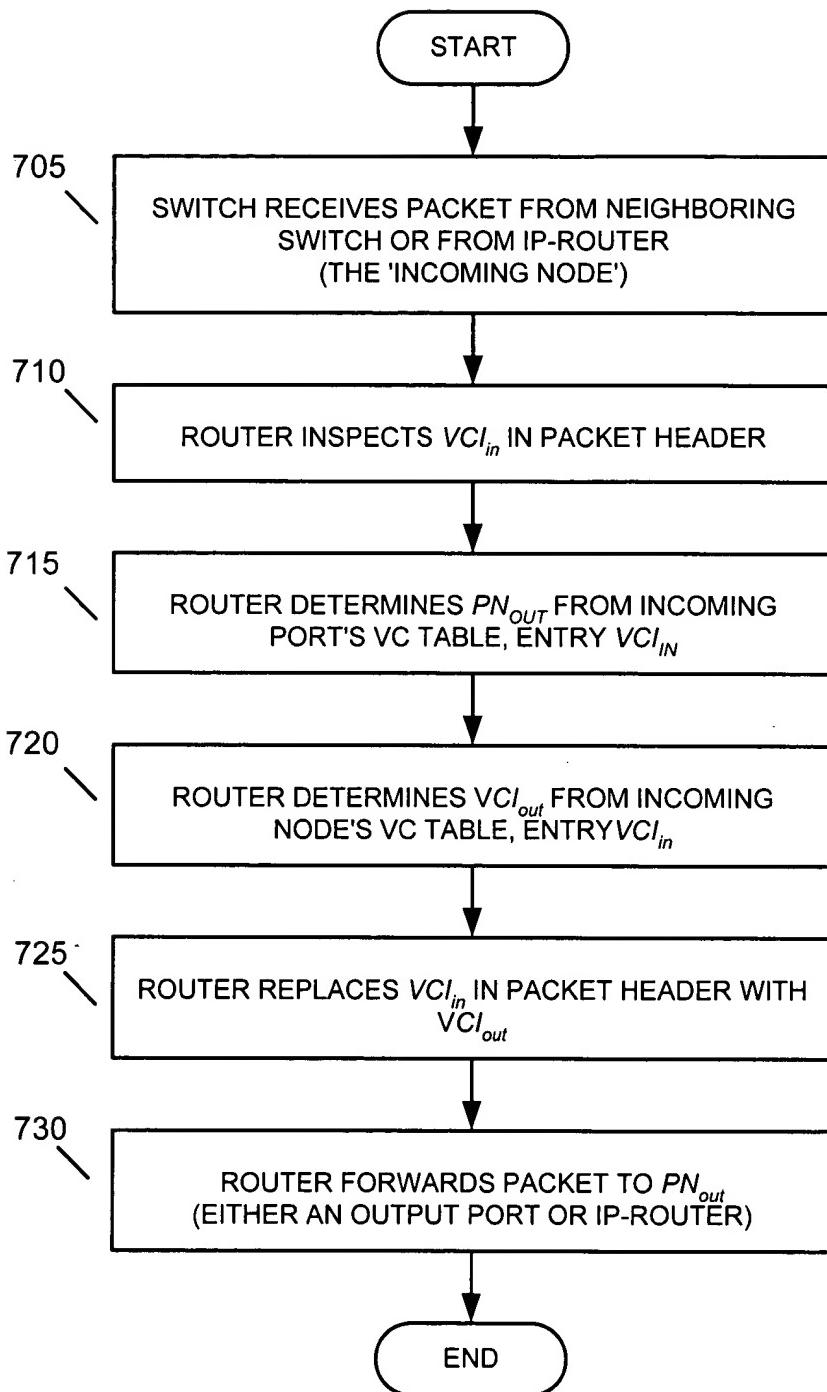


FIG. 7

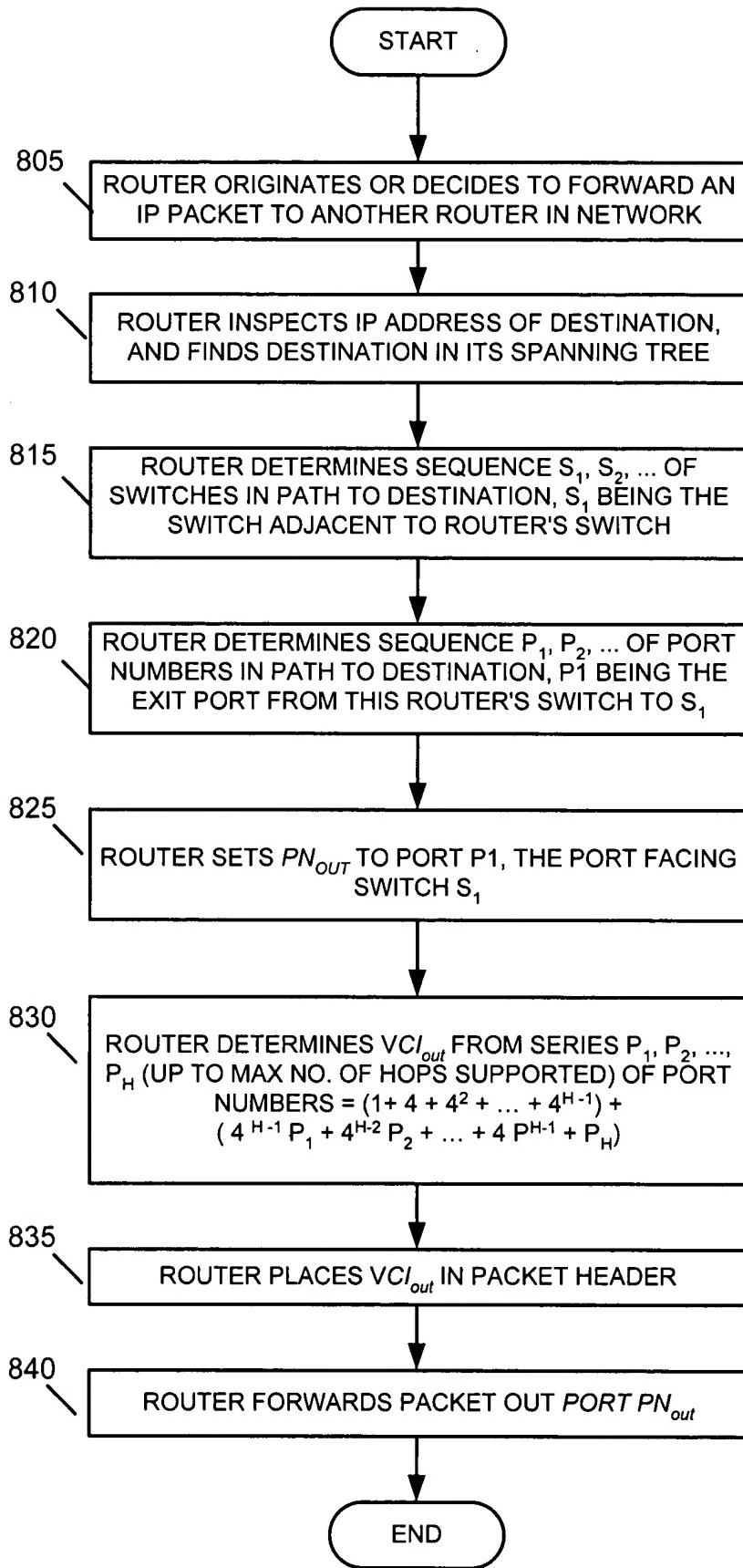


FIG. 8

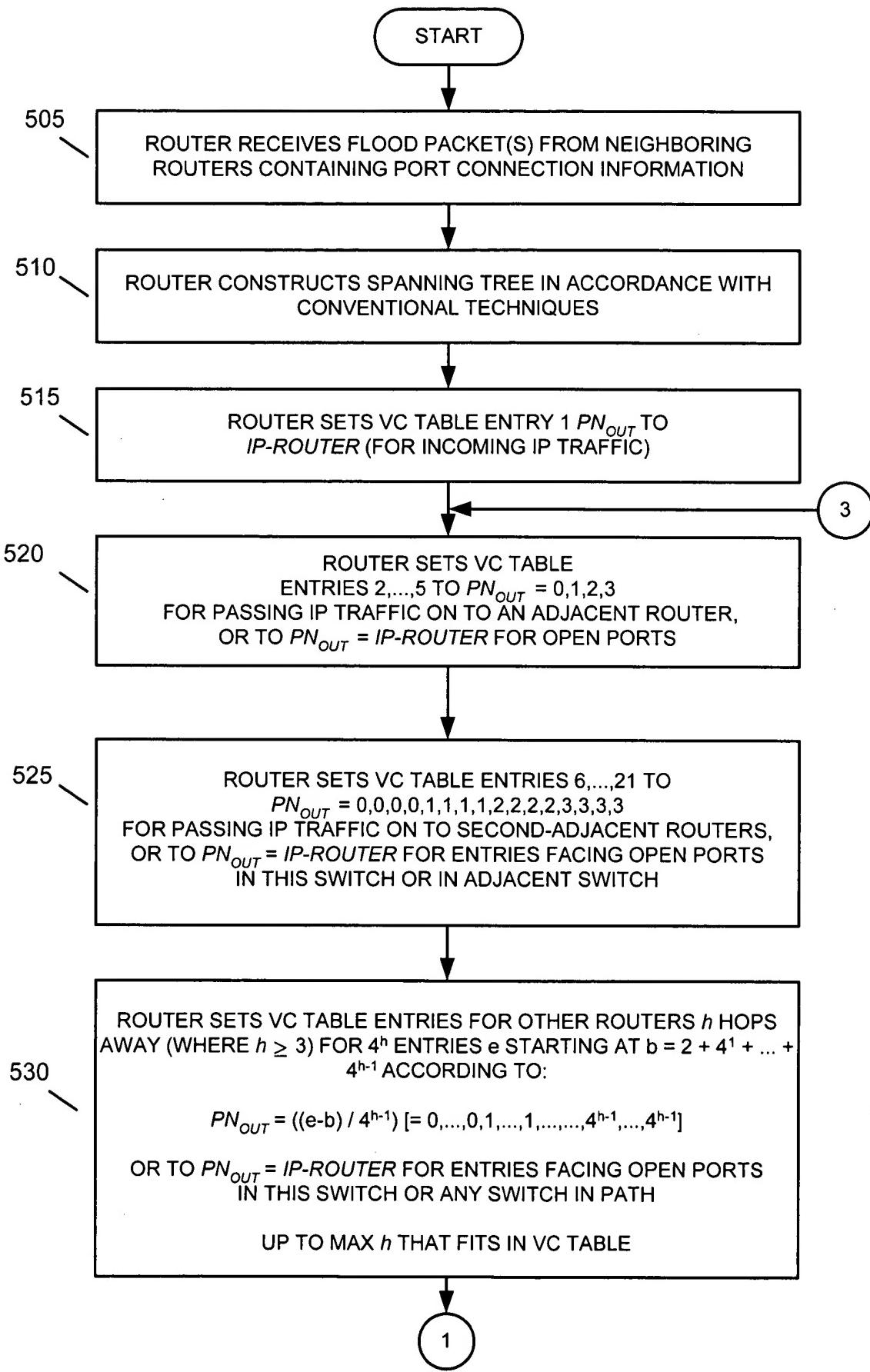


FIG. 5

400

| ROUTER# 405 | | ROUTER_B | | |
|-----------------------|--------------------------|----------|----------------------------------|------|
| SEQ. # 410 | SEQ_NUM | | | |
| NO. OF PORTS 415 | VC BASE ENTRY NO. 420 | | MAX NO. OF HOPS SUPPORTED 425 | |
| LINKS 430 | TO A | TO G | TO D | OPEN |
| METRICS 435 | M_1 | M_2 | M_3 | -- |
| PORT NUMBER 440 | 0 | 1 | 2 | 3 |

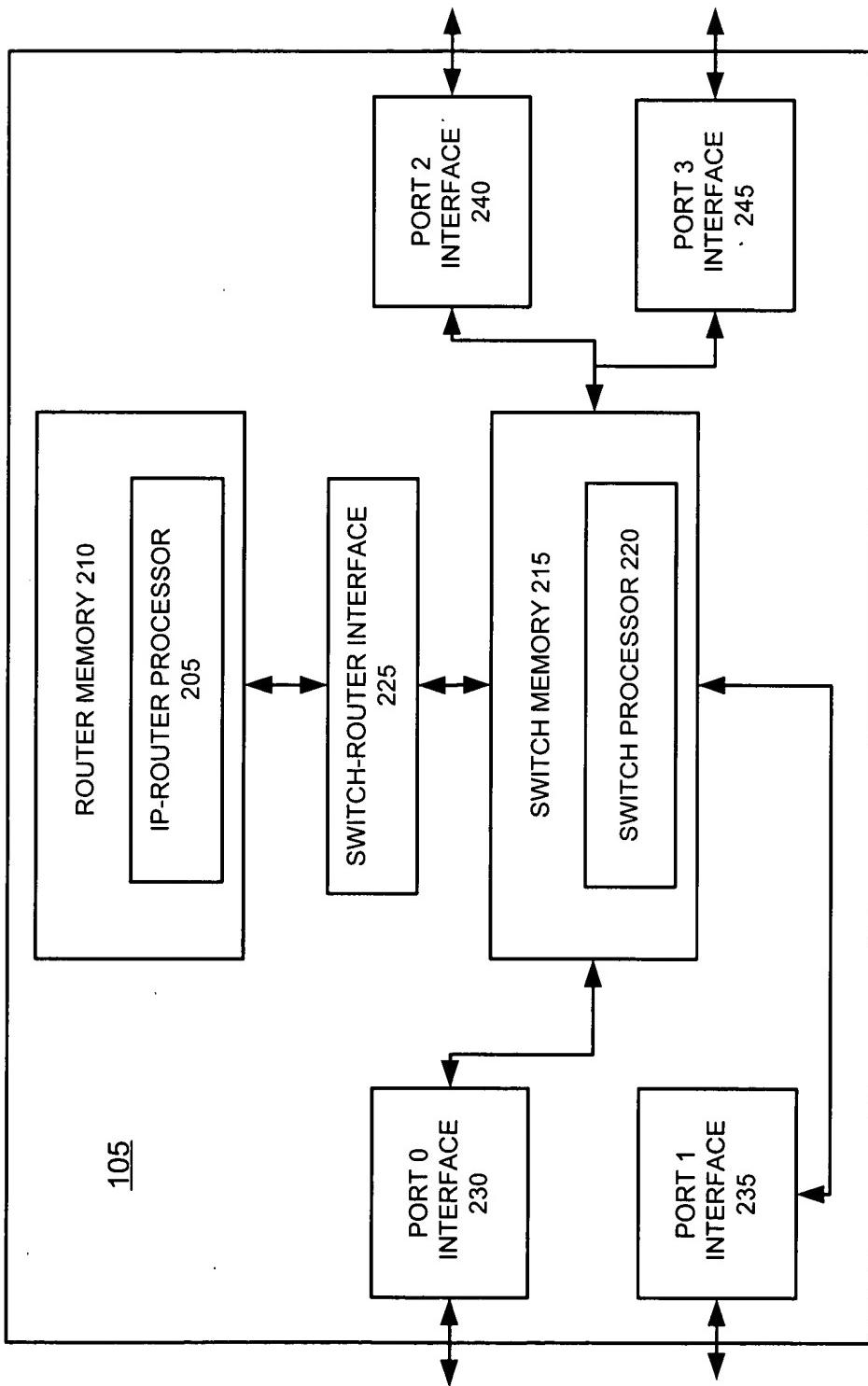
FIG. 4

VC TABLE 300

| VC ENTRY 305 | SWITCH OUTPUT PORT (PN_{out}) 310 | VCI_{out} 315 | VIRTUAL CIRCUIT LENGTH |
|-----------------|--|--------------------|--|
| 1 | IP ROUTER | 1 | 0 HOPS -> IP |
| 2 | Port 0 | 1 | 1 HOP -- $PN_0 \rightarrow$ IP |
| 3 | Port 1 | 1 | 1 HOP -- $PN_1 \rightarrow$ IP |
| 4 | Port 2 | 1 | 1 HOP -- $PN_2 \rightarrow$ IP |
| 5 | Port 3 | 1 | 1 HOP -- $PN_3 \rightarrow$ IP |
| 6 | Port 0 | 2 | 2 HOPS -- $PN_0 \rightarrow PN_0 \rightarrow$ IP |
| 7 | Port 0 | 3 | 2 HOPS -- $PN_0 \rightarrow PN_1 \rightarrow$ IP |
| 8 | Port 0 | 4 | 2 HOPS -- $PN_0 \rightarrow PN_2 \rightarrow$ IP |
| 9 | Port 0 | 5 | 2 HOPS -- $PN_0 \rightarrow PN_3 \rightarrow$ IP |
| 10 | Port 1 | 2 | 2 HOPS -- $PN_1 \rightarrow PN_0 \rightarrow$ IP |
| 11 | Port 1 | 3 | 2 HOPS -- $PN_1 \rightarrow PN_1 \rightarrow$ IP |
| 12 | Port 1 | 4 | 2 HOPS -- $PN_1 \rightarrow PN_2 \rightarrow$ IP |
| 13 | Port 1 | 5 | 2 HOPS -- $PN_1 \rightarrow PN_3 \rightarrow$ IP |
| 14 | Port 2 | 2 | 2 HOPS -- $PN_2 \rightarrow PN_0 \rightarrow$ IP |
| 15 | Port 2 | 3 | 2 HOPS -- $PN_2 \rightarrow PN_1 \rightarrow$ IP |
| 16 | Port 2 | 4 | 2 HOPS -- $PN_2 \rightarrow PN_2 \rightarrow$ IP |
| 17 | Port 2 | 5 | 2 HOPS -- $PN_2 \rightarrow PN_3 \rightarrow$ IP |
| 18 | Port 3 | 2 | 2 HOPS -- $PN_3 \rightarrow PN_0 \rightarrow$ IP |
| 19 | Port 3 | 3 | 2 HOPS -- $PN_3 \rightarrow PN_1 \rightarrow$ IP |
| 20 | Port 3 | 4 | 2 HOPS -- $PN_3 \rightarrow PN_2 \rightarrow$ IP |
| 21 | Port 3 | 5 | 2 HOPS -- $PN_3 \rightarrow PN_3 \rightarrow$ IP |

FIG. 3

FIG. 2



100 110 115 120 125 130 135 140 145

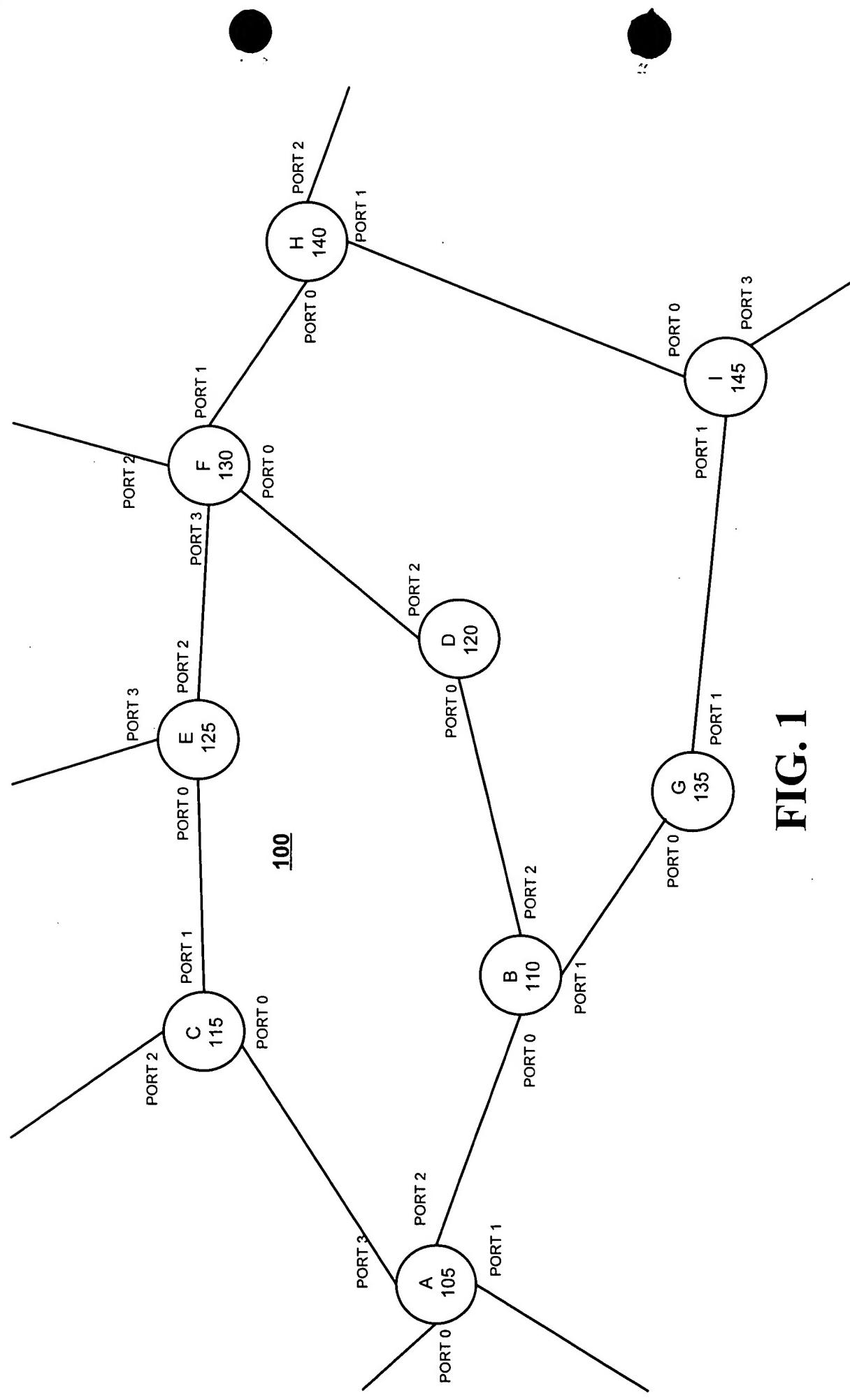


FIG. 1